

SAFETY DATA SHEET



Date Issued : 2/13/2013
MSDS No : BRWHRG200
Date-Revised : 6/7/2013
Revision No : 5

BLANKET ROLLER WASH HRG 200

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLANKET ROLLER WASH HRG 200

PRODUCT CODE: BRWHRG200

MANUFACTURER

Tarr, LLC
P.O. Box 12570
Portland, OR 97212
Service Number: 503-288-5294

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Physical

Flammable Liquids, Category 4

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Combustible liquid and vapor. Harmful or fatal if swallowed. Vapor harmful. Can enter lungs and cause damage. May be irritating to eyes and skin.

POTENTIAL HEALTH EFFECTS

EYES: Liquid is mildly irritating to the eyes. High vapor concentrations may also be irritating.

SKIN: Liquid is moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression.

Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis. May cause abdominal pain, nausea and vomiting.

INHALATION: May cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Prolonged and repeated exposures to high concentrations may cause hearing loss. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Aspiration pneumonitis may be evidenced by coughing, choking, wheezing, labored breathing, chest congestion, shortness of breath and/or fever. Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters.

MEDICAL CONDITIONS AGGRAVATED: Persons with pre-existing skin, eye, or central nervous system disorders, or impaired liver, kidney, or pulmonary function may be more susceptible to the effects of this substance.

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COMMENTS HEALTH: Laboratory studies have shown that petroleum distillates may cause kidney, liver, or lung damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS	EINECS
Dipropylene glycol methyl ether	1.5 - 2	34590-94-8	- -
Poly(oxy-1,2-ethanediyl),-(nonylphenyl)-w-hydroxy	2 - 3	9016-45-9	xxx-xxx-x
Disodium cocamphodipropionate	1 - 2	71010-80-5	275-119-6
Solvent naphtha (petroleum), medium aliphatic	72 - 77	64742-88-7	265-191-7
Aromatic Hydrocarbon	15 - 20	64742-94-5	265-198-5

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

SKIN: Remove contaminated clothing/shoes. Flush skin with water for at least 15 minutes. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

INGESTION: DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, oxygen should be administered by qualified personnel. Seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: ~ (105°F) Flash Point is based on highest percentage of constituent within the product, which is Solvent 365.

FLAMMABLE LIMITS: .01% to 7%

EXTINGUISHING MEDIA: Use water fog, "alcohol" foam, dry chemical, or CO₂.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

EXPLOSION HAZARDS: When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

FIRE FIGHTING EQUIPMENT: The use of SCBA is recommended for firefighters. Water spray may be used to cool containers exposed to heat or flame.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Remove all sources of ignition and provide ventilation. Wear protective equipment as given in Section 8. Dike around large spills to prevent spreading. Absorb small spills with inert material (clay, sand). Prevent contamination of surface waters.

BLANKET ROLLER WASH HRG 200**7. HANDLING AND STORAGE**

GENERAL PROCEDURES: Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Dipropylene glycol methyl ether	TWA	100	600	100	606		
	STEL			150	909		
Aromatic Hydrocarbon	TWA					100	

ENGINEERING CONTROLS: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

SKIN: Impervious gloves such as viton or nitrile should be worn at all times when handling this material. (Consult your safety equipment supplier.) In confined spaces or where the risk of skin exposure is much higher, impervious clothing should be worn. Safety showers should be available for emergency use.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

PROTECTIVE CLOTHING: Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

WORK HYGIENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Avoid prolonged or repeated breathing of vapors.

COMMENTS: May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

BLANKET ROLLER WASH HRG 200**9. PHYSICAL AND CHEMICAL PROPERTIES**

Chemical Name	Flash Point (°C)	Solubility in Water	Specific Gravity
Disodium cocamphodipropionate	142		
Solvent naphtha (petroleum), medium aliphatic	42 TAG CC	Solubility negligible in water.	0.77
Aromatic Hydrocarbon	68 TAG CC		0.894

PHYSICAL STATE: Liquid**ODOR:** Mild odor.**APPEARANCE:** Colorless liquid.**COLOR:** Clear**pH:** Essentially neutral.**PERCENT VOLATILE:** 97**VAPOR PRESSURE:** Not Determined**VAPOR DENSITY:** Heavier than air.**BOILING POINT:** (300°F) to (372°F)**FLASHPOINT AND METHOD:** ~ (105°F) Flash Point is based on highest percentage of constituent within the product, which is Solvent 365.**SOLUBILITY IN WATER:** Negligible**EVAPORATION RATE:** Slower than ether.**DENSITY:** 6.562**SPECIFIC GRAVITY:** 0.78 to 0.80**10. STABILITY AND REACTIVITY****STABLE:** Yes**HAZARDOUS POLYMERIZATION:** No**STABILITY:** Stable under normal conditions.**POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** Avoid contact with sparks, open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.**INCOMPATIBLE MATERIALS:** Strong oxidizers.**11. TOXICOLOGICAL INFORMATION**

BLANKET ROLLER WASH HRG 200**ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Solvent naphtha (petroleum), medium aliphatic	25000	> 4000	> 700

SKIN EFFECTS: May cause moderate irritation to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

CHRONIC: Cardiovascular system: chronic abuse of similar materials has been associated with irregular heart rhythms and cardiac arrest. Central nervous system: repeated exposure affects the nervous system.

CARCINOGENICITY

NTP: Aromatic 100 is a complex stream of predominately C8 to C10 hydrocarbons; the exact composition and concentrations will vary. Contains naphthalene 0.3 - .10% weight. The National Toxicology Program (NTP) has reported a chronic inhalation study in rats of naphthalene, a minor component of this product. Naphthalene caused severe inflammation and an increase in tumors of the nasal epithelium in both sexes. NTP considered this to be clear evidence of carcinogenic activity of naphthalene in rats. The relevance to the inhalation toxicity of this product in humans is unknown.

REPEATED DOSE EFFECTS: Repeated Dose Toxicity: Kidney: Caused kidney effects in male rats which are not considered relevant to humans.

REPRODUCTIVE EFFECTS: Reproductive and Developmental Toxicity: Animal testing with light aromatic solvents demonstrated embryo/fetal effects but not malformations at concentrations producing maternal toxicity.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Absorbs to soil and has low mobility. Readily biodegradable. Oxidizes rapidly by photo-chemical reactions in air.

ECOTOXICOLOGICAL INFORMATION: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

AQUATIC TOXICITY (ACUTE): Acute Toxicity for Solvent Naphtha (Petroleum), Medium Aliphatic:

Fish: Low toxicity: LC/EC/IC50 greater than 1000 mg/l

Aquatic Invertebrates: Low toxicity: LC/EC/IC50 greater than 1000 mg/l

Algae: Low toxicity: LC/EC/IC50 greater than 100 mg/l

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

EMPTY CONTAINER: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

RCRA/EPA WASTE INFORMATION: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and

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accurate classification.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Combustible Liquid, N.O.S.

TECHNICAL NAME: (Naphtha, dipropylene glycol monomethyl ether)

PRIMARY HAZARD CLASS/DIVISION: Combustible liquid

UN/NA NUMBER: 1993

PACKING GROUP: III

NAERG: 128

LABEL: No label required for packaged products less than 119 gal.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: May be reportable under glycol ethers.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Dipropylene glycol methyl ether	34590-94-8
Poly(oxy-1,2-ethanediyl),-(nonylphenyl)-w-hydroxy	9016-45-9
Disodium cocamphodipropionate	71010-80-5
Solvent naphtha (petroleum), medium aliphatic	64742-88-7
Aromatic Hydrocarbon	64742-94-5

CANADA**WHMIS HAZARD SYMBOL AND CLASSIFICATION**

Combustible Liquid
Combustible Liquid, N.O.S.

WHMIS CLASS: This product has a WHMIS classification of B3, combustible liquid.

GENERAL COMMENTS: The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

BLANKET ROLLER WASH HRG 200**16. OTHER INFORMATION**

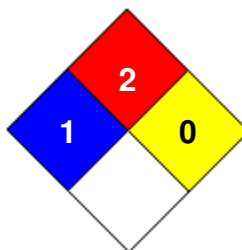
REASON FOR ISSUE: Updated SDS information and revised.

PREPARED BY: COMPLIANCE

REVISION SUMMARY: This MSDS replaces the 4/26/2013 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 3:** . **Section 5:** FLAMMABLE LIMITS. **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - LABEL.

HMIS RATING

HEALTH		1
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		H

NFPA CODES

NFPA STORAGE CLASSIFICATION: These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

HMIS RATINGS NOTES: The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the SDS must be considered.

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